

REC Group – a leading, global solar company



- Established in Norway 1996
- Vertically integrated with full ownership of all parts of the value chain: Polysilicon → wafers → cells
 → modules → systems
- Strong cost position and balance sheet
- Present in all key markets and segments
- Revenues of more than 956 million Euro in 2012
- Almost 2,300 employees, including over 800 in the US
- Headquarters Oslo, listed on the Oslo Stock Exchange (ticker: REC)



The world's most integrated solar company



- → Full control throughout the value-chain → synergies, optimization, quality, flexibility
- → A global and solid industry leader in solar for the long run

Polysilicon	Wafer	Cells	Modules	Systems
		THE CONTRACTOR OF THE CONTRACT		
Chemical process	Casting and cutting	Surface treatment	Assembly	Project development, turnkey installations, financing
Operations in USA	Operations in Singapore	Operations in Singapore	Operations in Singapore	Operations in EMEA, USA, APAC

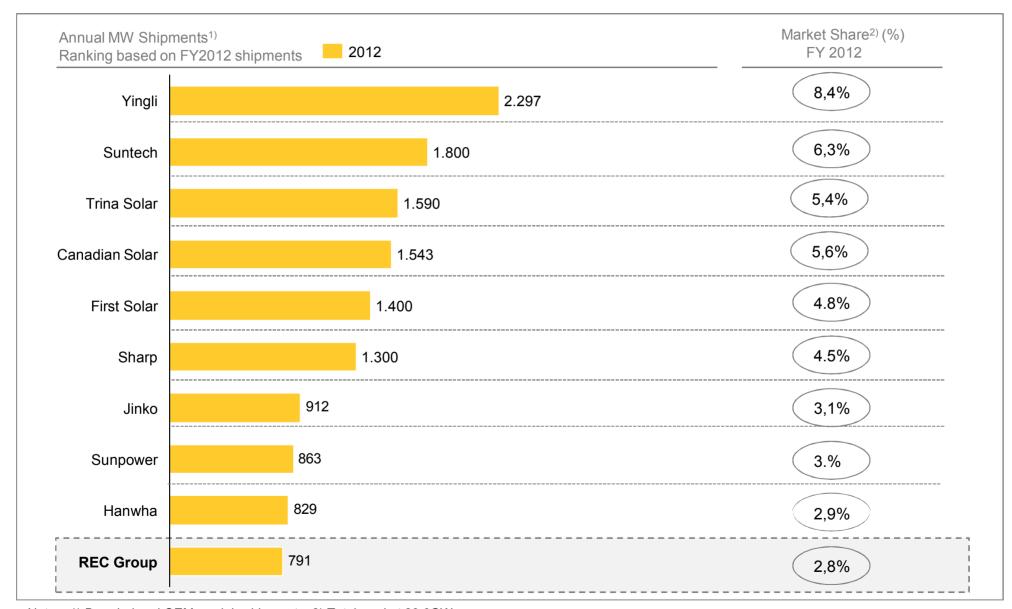
Global presence





4. REC is among the top 10 module suppliers





Notes: 1) Branded and OEM module shipments; 2) Total market:28.6GW

Sources: Company reports

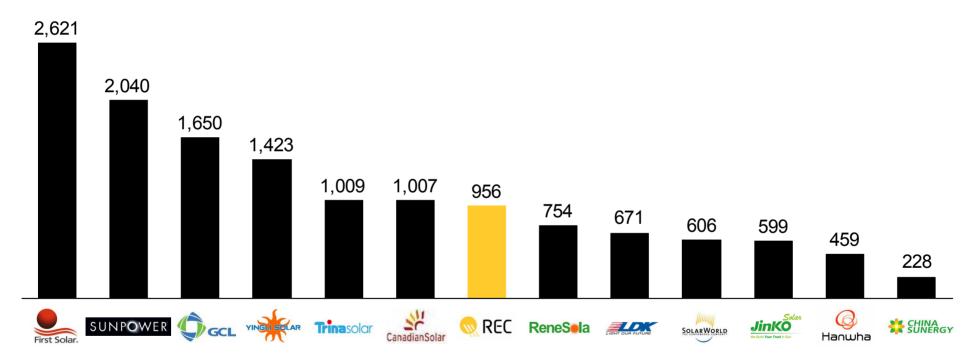
Revenue generation within the solar industry



REC is among the leading solar companies in revenue generation

Total Revenues 2012 by Company

In EUR million



Note: GCL Poly revenues include only its Solar business

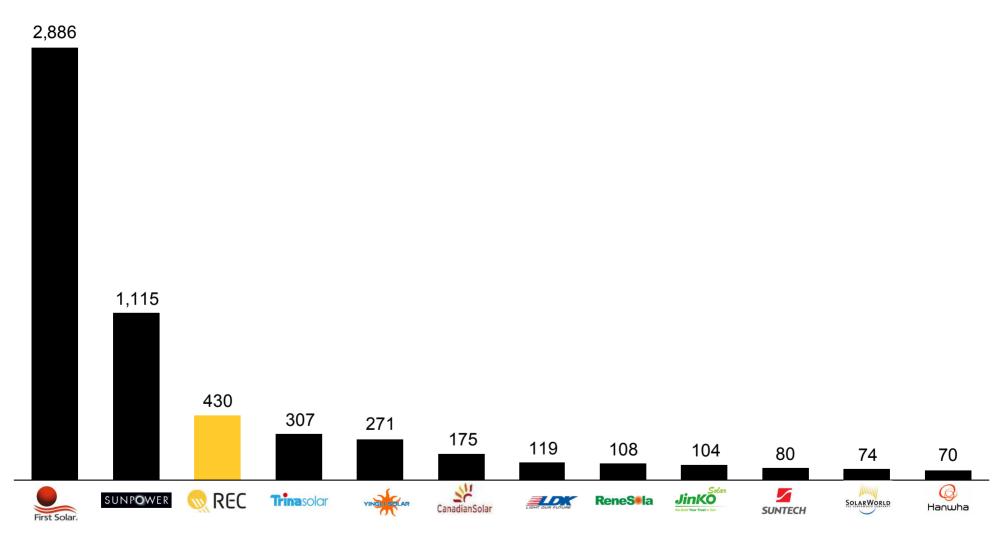
2012 avg. exchange rates: USD/EUR 0,778; HKD/EUR 0,1; NOK/EUR 0,133

Source: Bloomberg; Company websites

Equity value in the solar industry



Market capitalization* by company (in EUR million, as of May 8, 2013)



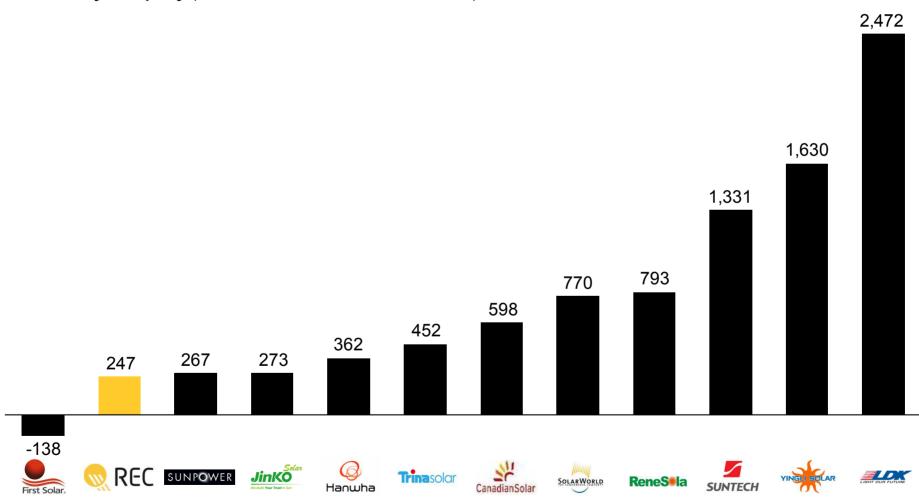
^{*}Value of a company's equity as reflected in the company's share price multiplied by the number of shares Source: Google Finance

Net debt in the solar industry



Many solar companies are struggling with very high debt levels

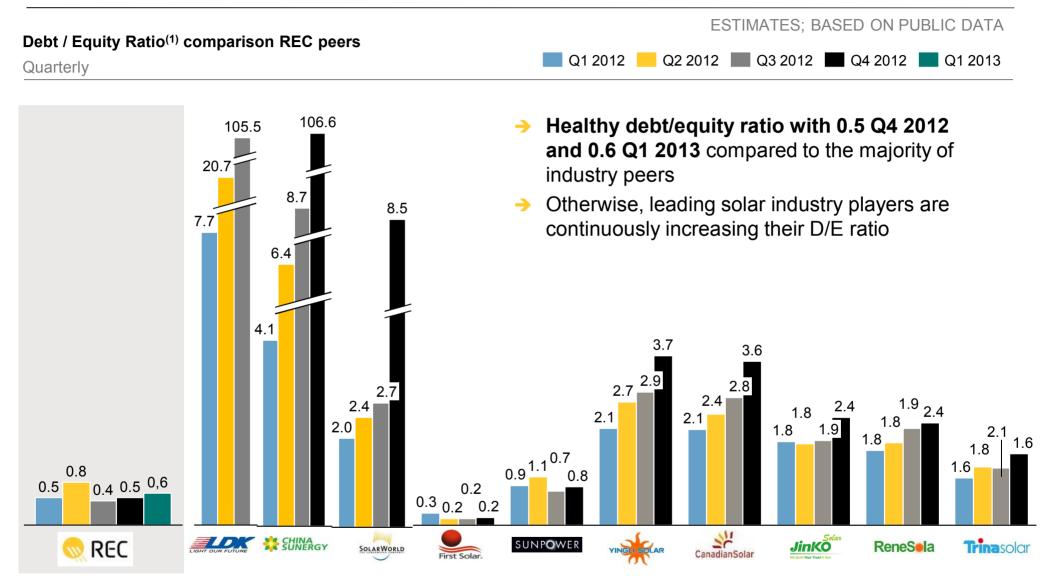
Net Debt by company (in EUR million, as of March 7, 2013)



Source: Jefferies Cleantech Weekly

REC has a healthy debt/equity ratio compared to peers





(1) D/E= (short-term debt + long-term debt) / total shareholders equity; Calculation incl. bonds payable, notes payable and convertibles as part of debt Source: Company statements

Operational excellence



- One of the world's largest and most advanced integrated solar manufacturing facilities in Singapore
- Highly automated to secure precision, reliability and quality – ISO 9001 certification
- Flexible and scalable can quickly be reconfigured and expanded to meet new demands
- Best practice in environmental design and performance – ISO 14001 certification
- Costs reduced at a high rate automation makes cost level fairly independent of labor costs





REC Peak Energy Series



- → REC Peak Energy (PE) series 60 Cell
 - Power output 245-265Wp
- REC Peak Energy (PE) series 72 Cell
 - Power output 295-315 Wp
 - 1000 VDC UL Certified
- → -0/+5Wp tolerance
- 3 Bus Bar REC Peak Energy Cells
- US Silicon
- IP 67 JBox with MC4 Connectors
- 25 Year linear power output warranty
- 10 year materials and workmanship warranty



Granular Silicon is manufactured into ingots





REC Wafer produces G5 ingots, weighing 300 kg each. Out of one ingot we get about 11,000 wafers.

Ingots are sawed into blocks, and then blocks into wafers

- 100% traceability across entire value chain



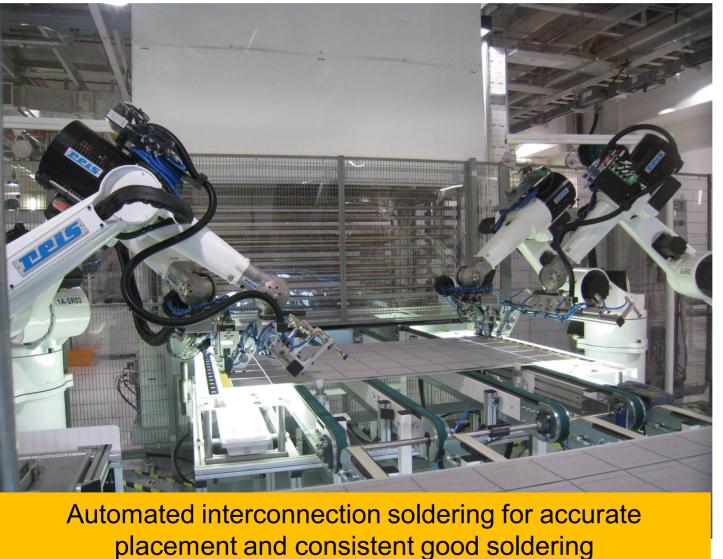
→ REC is vertically integrated with manufacturing of their own Si, Wafers, Cells and Modules – no contract manufacturing or outside sourcing



Assembly and Soldering



100% Controlled Robotics Soldering





100% controlled induction soldering



Dual Interconnection Preparation unit

Assembly and Soldering

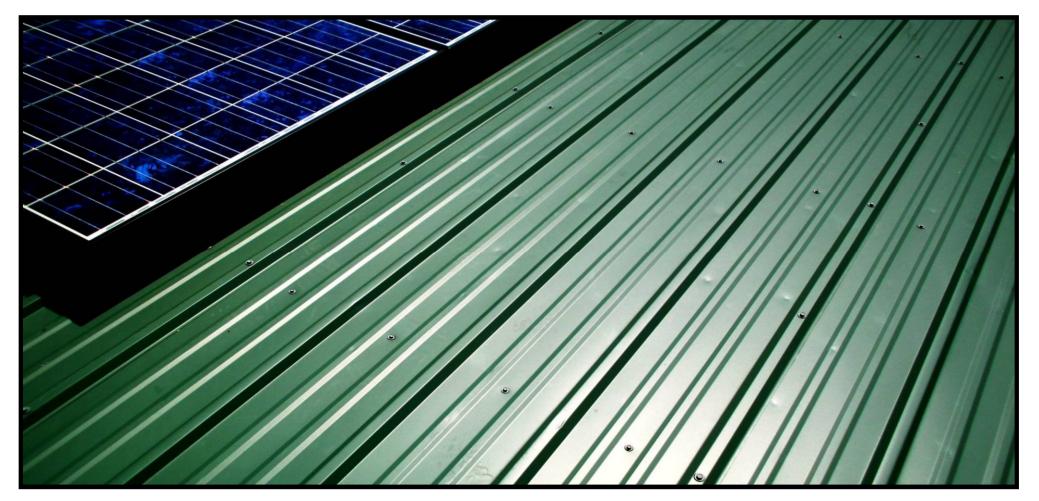




Durability: A Top Priority at REC



- Hail Resistance Dallas Texas, Sept 2011
- The building received hail damage after the solar panels were installed
- All of the windows on the north and west sides of the house were broken or cracked



Durability: A Top Priority at REC



Hail Resistance – Virginia, 23 March 2012 - "Attached is a picture of hail from a storm that hit one of my PV customers. It landed during a tornado watch. They say it averaged about 1" in diameter. There were dented cars, neighbors with broken windows and destroyed vinyl siding but apparently NO damage to the PV modules."



Hail damage photo courtesy DIRECT CONNECT SOLAR & ELECTRIC LLC

Warranty Claim Rates and Accrual Rates



Figure 1a
SunPower Corp.
Warranty Claims & Accrual Rates
(as a % of product sales, 2004-2011)

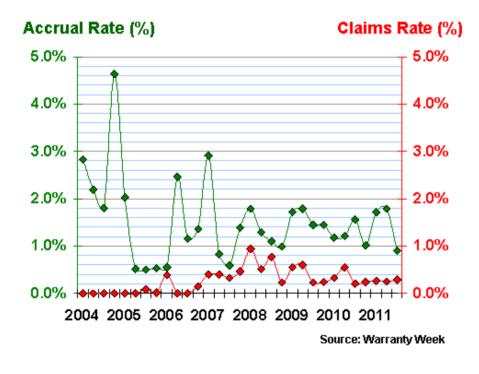
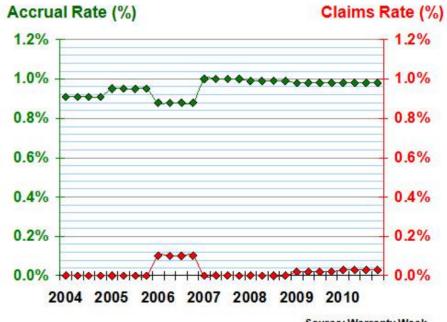


Figure 7a
Canadian Solar Inc.
Warranty Claims & Accrual Rates
(as a % of product sales, 2004-2010)



Source: Warranty Week

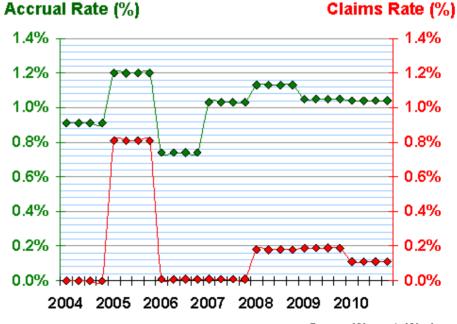
Warranty Claim Rates and Accrual Rates



Figure 6a
Yingli Green Energy Holding Co. Ltd.
Warranty Claims & Accrual Rates
(as a % of product sales, 2004-2010)



Figure 4a
Suntech Power Holdings Co. Ltd.
Warranty Claims & Accrual Rates
(as a % of product sales, 2004-2010)



Source: Warranty Week

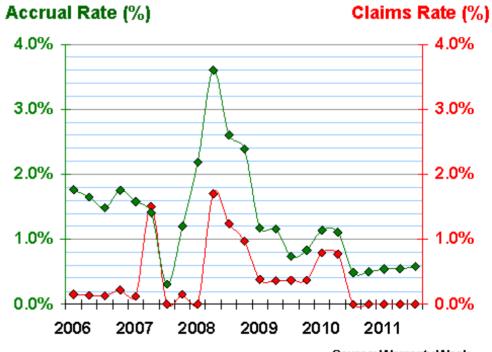
Warranty Claim Rates and Accrual Rates



Figure 2a
First Solar Inc.
Warranty Claims & Accrual Rates
(as a % of product sales, 2004-2011)



Figure 3a
Westinghouse Solar Inc.
Warranty Claims & Accrual Rates
(as a % of product sales, 2006-2011)



Source: Warranty Week

Warranty Claim Rates



REC Solar AS
Warranty Claims and Accrual Rates
(as a % of product sales, 2007 - 2013)



Source: KPMG Audited Financials

Higher reliability leads to lower in-field failure rates

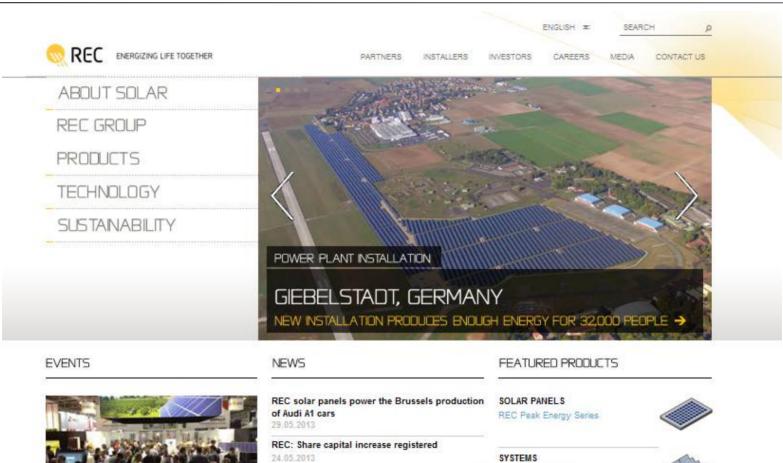


What do failure rates mean to a project owner?

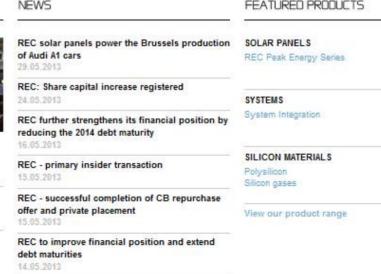
Claims rate 2011	%	modules/MWp	annual failures/MWp
Sun Power	0.003	3448	10.34
First Solar	0.0043	8000	34.40
SunTech	0.001	4000	4.00
Candian Solar	0.0004	4000	1.60
Yingli	0.001	4000	4.00
RECG	0.000074	4000	0.31

REC Group Web Site – WWW.RECGROUP.COM





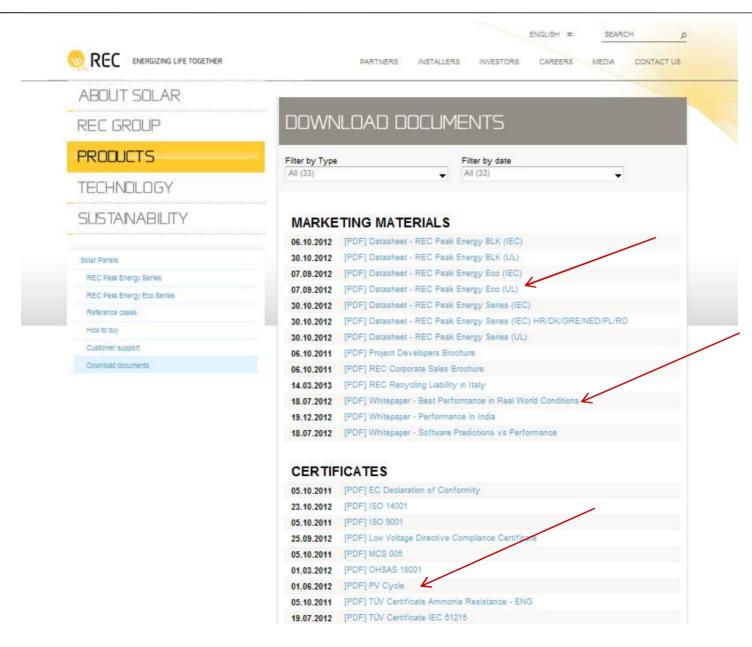




Upcoming Events

RECGROUP.COM – Technical Documents







Summary

- A global and bankable industry leader
 in solar for the long run
- Industry leading module performance
- Dedicated to the partner model